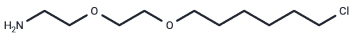
Data Sheet (Cat.No.T40858)

TargetMol

NH2-PEG2-C6-Cl

Chemical Properties



CAS No. : 744203-60-9

Formula: C10H22ClNO2

Molecular Weight: 223.74

Storage: Store at low temperature
Powder: -20°C for 3 years
Actual storage temperature shall be subject to the COA.

Biological Description

Description	NH2-PEG2-C6-Cl is a PEG-based linker for PROTACs, facilitating the formation of PROTAC molecules by joining two essential ligands. It enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1] .

Solubility Information

Solubility	DMSO: 90 mg/mL (402.25 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4695 mL	22.3474 mL	44.6947 mL
5 mM	0.8939 mL	4.4695 mL	8.9389 mL
10 mM	0.4469 mL	2.2347 mL	4.4695 mL
50 mM	0.0894 mL	0.4469 mL	0.8939 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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